## IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

- 1. 24. (Canceled)
- 25. (New) A reciprocating fluid pump assembly, comprising:
  - a housing assembly including a drive section and an adjacent pump section;
- a drive assembly disposed in the drive section, the drive assembly including a permanent magnet and a coil assembly having a winding, one of the magnet and the coil assembly being capable of reciprocal movement along an axis between a first position and a second position with respect to the other, the one forming, at least in part, a movable member, application of a signal to the winding causing movement of the movable member between the first position and the second position;
  - a resilient member biasing the movable member in the first position; and
- a pump assembly disposed in the pump section, the pump assembly including a pump member capable of reciprocal movement, the pump member operatively connected to the movable member, movement of the movable member causing movement of the pump member.
- 26. (New) The reciprocating fluid pump assembly of claim 25, wherein the coil assembly surrounds the permanent magnet.
- 27. (New) The reciprocating fluid pump assembly of claim 25, wherein the movable member includes the coil assembly.
- 28. (New) The reciprocating fluid pump assembly of claim 27, further comprising a plunger operatively connected to the coil assembly.
- 29. (New) The reciprocating fluid pump assembly of claim 28, wherein the resilient member is disposed between the plunger and the pump assembly.
- 30. (New) The reciprocating fluid pump assembly of claim 25, wherein the resilient member is a spring.
- 31. (New) The reciprocating fluid pump assembly of claim 25, wherein the permanent magnet comprises two permanent magnets.
- 32. (New) The reciprocating fluid pump assembly of claim 31, further comprising a core capable of conducting magnetic flux disposed between the two magnets.
- 33. (New) The reciprocating fluid pump assembly of claim 25, wherein the pump assembly further includes a fluid inlet passage having an inlet check valve, movement of the pump member actuating the inlet check valve.

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- (New) The reciprocating fluid pump assembly of claim 33, further comprising a 34. bypass passage extending from the fluid inlet passage to an interior of the drive section such that the drive assembly is at least partially bathed in fluid.
- (New) The reciprocating fluid pump assembly of claim 25, further comprising a nozzle 35. in fluid communication with the pump assembly for expressing pressurized fluid from the pump assembly.
- (New) The reciprocating fluid pump assembly of claim 35, wherein the nozzle 36. includes a poppet.
- (New) The reciprocating fluid pump assembly of claim 25, wherein the reciprocating 37. fluid pump assembly is adapted to pump one of fuel and oil.
- (New) A fuel injection system, comprising: 38.

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- a fuel reservoir; and
- at least one reciprocating fuel pump assembly in fluid communication with the fuel reservoir, each of the at least one reciprocating fuel pump assemblies comprising:
  - a housing assembly including a drive section and an adjacent pump section;
- a drive assembly disposed in the drive section, the drive assembly including a permanent magnet and a coil assembly having a winding, one of the magnet and the coil assembly being capable of reciprocal movement along an axis between a first position and a second position with respect to the other, the one forming, at least in part, a movable member, application of a signal to the winding causing movement of the movable member between the first position and the second position;
- a resilient member biasing the movable member in the first position; and a pump assembly disposed in the pump section, the pump assembly including a pump member capable of reciprocal movement, the pump member operatively connected to the movable member, movement of the movable member causing movement of the pump member.
- (New) The fuel injection system of claim 38, further comprising: 39. a first fuel pump for drawing fuel from the fuel reservoir; a separator for receiving fuel from the first fuel pump; and a second fuel pump for drawing fuel from the separator, the at least one reciprocating fuel pump assembly receiving fuel from the second fuel pump.
- (New) The fuel injection system of claim 39, further comprising: 40. an inlet manifold receiving fuel from the second fuel pump, the at least one reciprocating fuel pump assembly drawing fuel from the inlet manifold; and a return manifold for returning excess fuel from the at least one reciprocating fuel pump assembly to the separator.

- 41. (New) The fuel injection system of claim 38, wherein the at least one reciprocating fuel pump assembly comprises a plurality of reciprocating fuel pump assemblies.
- 42. (New) The fuel injection system of claim 38, further comprising an injection controller to control the operation of the at least one reciprocating fuel pump assembly.
- 43. (New) The fuel injection system of claim 38, wherein the coil assembly surrounds the permanent magnet.
- 44. (New) The fuel injection system of claim 38, wherein the movable member includes the coil assembly.
- 45. (New) The fuel injection system of claim 38, wherein the permanent magnet comprises two permanent magnets.
- 46. (New) The fuel injection system of claim 38, wherein the at least one reciprocating fuel pump assembly further comprises a nozzle in fluid communication with the pump assembly for expressing pressurized fluid from the pump assembly.
- 47. (New) An internal combustion engine, comprising:
  - at least one combustion chamber; and
- a fuel injection system having a reciprocating fuel pump assembly associated with the combustion chamber to inject fuel therein,

the reciprocating fuel pump assembly comprising:

- a housing assembly including a drive section and an adjacent pump section;
- a drive assembly disposed in the drive section, the drive assembly including a permanent magnet and a coil assembly having a winding, one of the magnet and the coil assembly being capable of reciprocal movement along an axis between a first position and a second position with respect to the other, the one forming, at least in part, a movable member, application of a signal to the winding causing movement of the movable member between the first position and the second position;
  - a resilient member biasing the movable member in the first position, and
- a pump assembly disposed in the pump section, the pump assembly including a pump member capable of reciprocal movement, the pump member operatively connected to the movable member, movement of the movable member causing movement of the pump member.
- 48. (New) The internal combustion engine of claim 47, wherein the at least one combustion chamber comprises a plurality of combustion chambers, and

wherein the fuel injection system has a plurality of reciprocating fuel pump assemblies, each of the fuel pump assemblies being associated with a combustion chamber.